

Fig. 1. Comparison of 4 DPD primer/probe sets for their ability to amplify DPD mRNA.

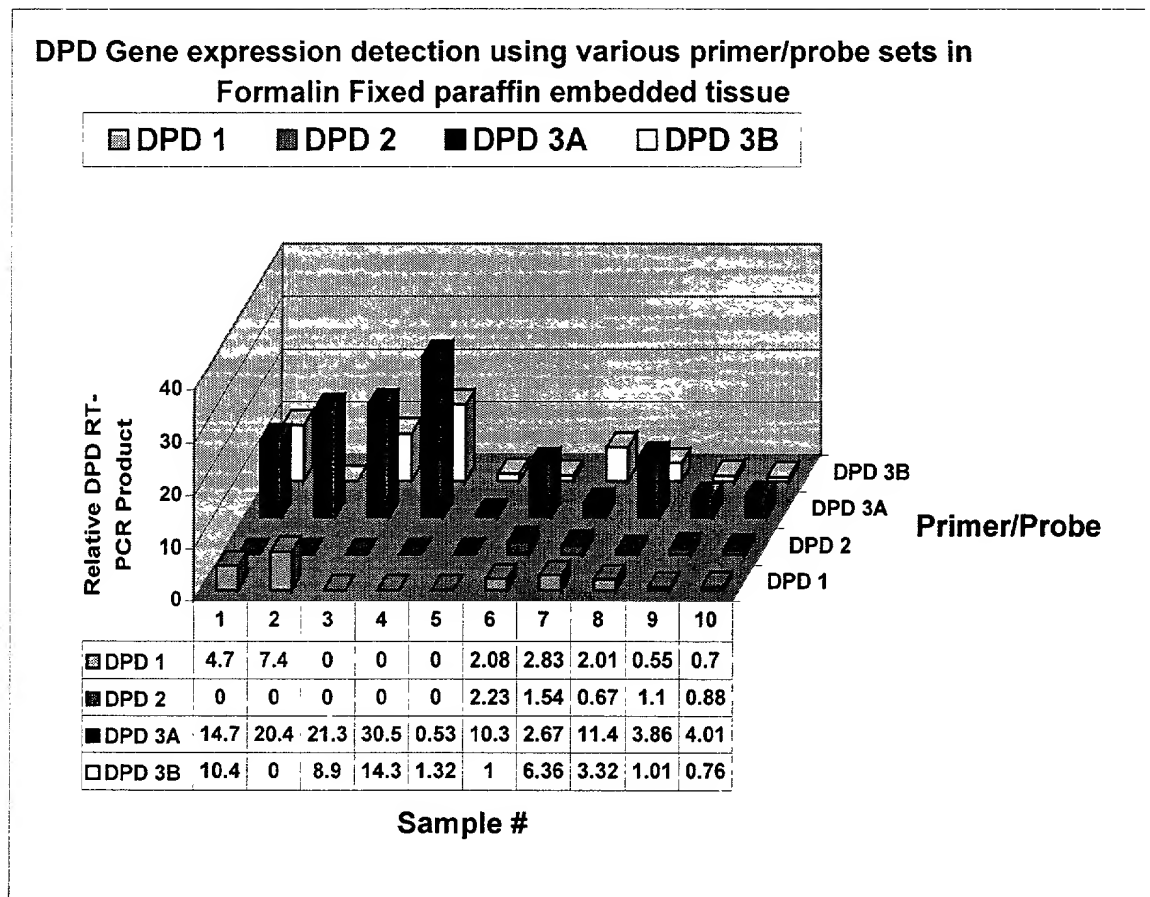
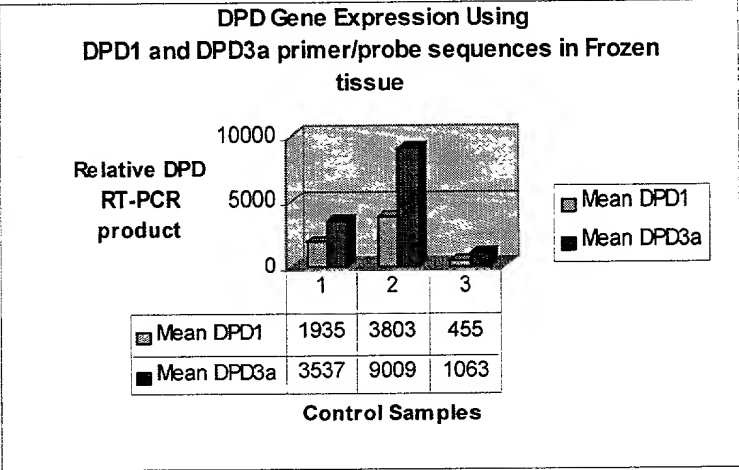


Fig. 2. Comparison of amplification efficiency of primer/probe DPD 3A and DPD 1 to amplify DPD mRNA from frozen tissue.



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Figure 3. Chart illustrating how to calculate *DPD* expression relative to an internal control gene

	Sample	from "test" reactions				from "calibration" reactions				Uncorrected Gene Expression (UGE)	Published <i>DPD</i> values	Derivation of <i>K_{DPD}</i> (average <i>K</i>)	Relative <i>DPD</i> exp.
		<i>C_t</i> <i>DPD</i>	<i>C_t</i> β -actin	ΔC_t	$2^{-\Delta C_t}$	<i>C_t</i> Calib RNA	<i>C_t</i> β -actin	ΔC_t	$2^{-\Delta C_t}$				
Experimental	unknown 1	25.01	19.84	5.21	0.027	-	-	-	-	4.47	-	1.08	4.83
	unknown 2	28.18	18.76	9.42	0.0015	-	-	-	-	0.241	-	1.08	0.2608
	Calib RNA	-	-	-	-	27.94	26.92	19.55	7.37	0.006/0.005=1	-	-	-
From Published Data													
	L7	31.04	24.56	6.49	0.0111	-	-	-	-	2.45	270	1.10	-
	L91	27.95	20.5	7.45	0.0057	-	-	-	-	1.26	120	1.08	-
	L121	26.88	19.2	7.68	0.00488	-	-	-	-	1.07	110	1.02	-
	L150	33.32	22.88	10.44	0.00072	-	-	-	-	0.158	0.17	1.08	-
	L220	26.96	22.01	4.95	0.03235	-	-	-	-	7.12	7.3	1.03	-
	L164	25.44	21.4	4.04	0.0607	-	-	-	-	13.38	16	1.2	-
	Calib RNA	-	-	-	-	27.88	20.98	77.82	0.005	0.005/0.005=1	-	-	-